

## Author index to volume 222

Adamo, C., see V. Barone	222 (1994) 597
Adhikari, S.K., A.S. Ghosh and H. Ray, The effect of positronium formation in $e^+$ -Li and $e^+$ -Na scattering	222 (1994) 302
Ågren, H., V. Carravetta, O. Vahtras and L.G.M. Pettersson, Direct, atomic orbital, static exchange calculations of photoabsorption spectra of large molecules and clusters	222 (1994) 75
Aguillon, F., Semi-classical coupled wavepacket study of the dissociative charge exchange $He^+ + H_2 \rightarrow He + H + H^+$	222 (1994) 69
Aikawa, M., N.J. Turro and K. Ishiguro, Electron transport reactions between pyrene and methylviologen in a model biological membrane	222 (1994) 197
Akama, Y., see T. Ueda	222 (1994) 559
Alam, T.M., Anisotropic diffusion in oriented systems. Improved approximations for molecular dynamics	222 (1994) 493
Allouche, A.R. and M. Aubert-Frécon, Theoretical study of the low-lying electronic states of the CaLi molecule	222 (1994) 524
Al-Shamery, K., I. Beauport, H.-J. Freund and H. Zacharias, UV laser-induced desorption of CO from $Cr_2O_3(111)$ . A fully quantum state resolved mapping of the desorbing species	222 (1994) 107
Amosov, K.A., see S.A. Nizkorodov	222 (1994) 135
Ando, K., see K. Ishii	222 (1994) 117
Aoki, K., see H. Kannari	222 (1994) 313
Ashfold, M.N.R., see S.H.S. Wilson	222 (1994) 457
Atkinson, J.B., see W. Kedzierski	222 (1994) 146
Atkinson, J.B., see J. Supronowicz	222 (1994) 149
Atrei, A., see M. Galeotti	222 (1994) 349
Aubert-Frécon, M., see A.R. Allouche	222 (1994) 524
Bag, M., M.M. Panja, R. Dutt and Y.P. Varshni, $1/\eta$ expansion for the binding energies of finite-depth potentials	222 (1994) 46
Bai, J.-L., see Z.-L. Cai	222 (1994) 633
Balakrishnarajan, M.M., see M. Manoharan	222 (1994) 95
Balasubramanian, K., see M. Manoharan	222 (1994) 95
Balint-Kurti, G.G., see S.P. Mort	222 (1994) 603
Bandrauk, A.D., see H. Yu	222 (1994) 387
Bardi, U., see M. Galeotti	222 (1994) 349
Baronavski, A.P., see J.C. Owruksy	222 (1994) 335
Barone, V., C. Adamo, S. Fliszar and N. Russo, Structural and energetic characteristics of electron deficient $M_2H_6$ compounds from a density functional approach	222 (1994) 597
Beauport, I., see K. Al-Shamery	222 (1994) 107

## Author index to volume 222

Adamo, C., see V. Barone	222 (1994) 597
Adhikari, S.K., A.S. Ghosh and H. Ray, The effect of positronium formation in $e^+$ -Li and $e^+$ -Na scattering	222 (1994) 302
Ågren, H., V. Carravetta, O. Vahtras and L.G.M. Pettersson, Direct, atomic orbital, static exchange calculations of photoabsorption spectra of large molecules and clusters	222 (1994) 75
Aguillon, F., Semi-classical coupled wavepacket study of the dissociative charge exchange $He^+ + H_2 \rightarrow He + H + H^+$	222 (1994) 69
Aikawa, M., N.J. Turro and K. Ishiguro, Electron transport reactions between pyrene and methylviologen in a model biological membrane	222 (1994) 197
Akama, Y., see T. Ueda	222 (1994) 559
Alam, T.M., Anisotropic diffusion in oriented systems. Improved approximations for molecular dynamics	222 (1994) 493
Allouche, A.R. and M. Aubert-Frécon, Theoretical study of the low-lying electronic states of the CaLi molecule	222 (1994) 524
Al-Shamery, K., I. Beauport, H.-J. Freund and H. Zacharias, UV laser-induced desorption of CO from $Cr_2O_3(111)$ . A fully quantum state resolved mapping of the desorbing species	222 (1994) 107
Amosov, K.A., see S.A. Nizkorodov	222 (1994) 135
Ando, K., see K. Ishii	222 (1994) 117
Aoki, K., see H. Kannari	222 (1994) 313
Ashfold, M.N.R., see S.H.S. Wilson	222 (1994) 457
Atkinson, J.B., see W. Kedzierski	222 (1994) 146
Atkinson, J.B., see J. Supronowicz	222 (1994) 149
Atrei, A., see M. Galeotti	222 (1994) 349
Aubert-Frécon, M., see A.R. Allouche	222 (1994) 524
Bag, M., M.M. Panja, R. Dutt and Y.P. Varshni, $1/\eta$ expansion for the binding energies of finite-depth potentials	222 (1994) 46
Bai, J.-L., see Z.-L. Cai	222 (1994) 633
Balakrishnarajan, M.M., see M. Manoharan	222 (1994) 95
Balasubramanian, K., see M. Manoharan	222 (1994) 95
Balint-Kurti, G.G., see S.P. Mort	222 (1994) 603
Bandrauk, A.D., see H. Yu	222 (1994) 387
Bardi, U., see M. Galeotti	222 (1994) 349
Baronavski, A.P., see J.C. Owrutsky	222 (1994) 335
Barone, V., C. Adamo, S. Fliszar and N. Russo, Structural and energetic characteristics of electron deficient $M_2H_6$ compounds from a density functional approach	222 (1994) 597
Beauport, I., see K. Al-Shamery	222 (1994) 107

- Beutler, T.C., A.E. Mark, R.C. van Schaik, P.R. Gerber and W.F. van Gunsteren, Avoiding singularities and numerical instabilities in free energy calculations based on molecular simulations 222 (1994) 529
- Bhattacharyya, K., see B. Sarkar 222 (1994) 540
- Bini, R., see L. Poletti 222 (1994) 239
- Bofill, J.M., À. Povill and J. Rubio, Energy partitioning using two-electron average matrices 222 (1994) 51
- Book, L.D., C. Xu and G.E. Scuseria, Carbon cluster ion drift mobilities. The importance of geometry and vibrational effects 222 (1994) 281
- Braune, M., A. Schrader and H. Engel, Entrainment and resonance of spiral waves in active media with periodically modulated excitability 222 (1994) 358
- Bretón, J., see J. Hernández-Rojas 222 (1994) 88
- Brondeau, J., see D. Canet 222 (1994) 171
- Bukowska, J., see A. Kudelski 222 (1994) 555
- Bulthuis, J., J. Van Leuken, F. Van Amerom and S. Stolte, Brute force orientation and the two-dimensional oscillator 222 (1994) 378
- Butenko, Y.V., see V.L. Kuznetsov 222 (1994) 343
- Cai, Z.-L. and J.-L. Bai, Ab initio study of the electronic spectrum of the SF<sub>2</sub> radical (Chemical Physics Letters 220 (1994) 109. Erratum 222 (1994) 633
- Callis, P.R., see P.L. Muiño 222 (1994) 156
- Canet, D., P. Mutzenhardt, J. Brondeau and C. Roumestand, NMR spectral selectivity by radio-frequency field gradients 222 (1994) 171
- Cárdenas-Jirón, G.I. and A. Toro-Labbé, A model potential for the internal rotation of nitrosyl hyperfluorite. A comparative analysis of different theoretical methods 222 (1994) 8
- Carravetta, V., see H. Ågren 222 (1994) 75
- Chan, T.-W.D., I. Thomas, A.W. Colburn and P.J. Derrick, Initial velocities of positive and negative protein molecule-ions produced in matrix-assisted ultraviolet laser desorption using a liquid matrix 222 (1994) 579
- Chandrashekar, T.K., see M. Ravikanth 222 (1994) 563
- Chen, I.-C., see Y.J. Shiu 222 (1994) 245
- Chen, Y., F. Gai and J.W. Petrich, Solvation and excited-state proton transfer of 7-azaindole in alcohols 222 (1994) 329
- Chronister, E.L., see D. L'Espérance 222 (1994) 217
- Chuvilin, A.L., see V.L. Kuznetsov 222 (1994) 343
- Coddens, G., see M. Havighorst 222 (1994) 113
- Colburn, A.W., see T.-W.D. Chan 222 (1994) 579
- Concha, M.C., see J.M. Seminario 222 (1994) 25
- Cremer, D. and Z. He, Size-extensive QCISDT – implementation and application 222 (1994) 40
- Cremer, D., see S. Wierlacher 222 (1994) 319
- Cronrath, W., see R. Dopheide 222 (1994) 191
- Da Silva, A.J.R. and L.M. Falicov, Magnetism and the  $\alpha$ - $\beta$  phase transition in solid oxygen 222 (1994) 339
- Davidson, E.R., see P.M. Kozlowski 222 (1994) 615
- Declercq, D.D., see W. Schuddeboom 222 (1994) 586
- Derrick, P.J., see T.-W.D. Chan 222 (1994) 579
- De Schryver, F.C., see W. Schuddeboom 222 (1994) 586
- Dixon, R.N., see S.H.S. Wilson 222 (1994) 457

- Dopheide, R., W. Cronrath and H. Zacharias, Electronic quenching of acetylene  $\tilde{A}^1A_u(\nu_3=1, J=9)$  by foreign gases 222 (1994) 191
- Dupuy, F., see J.-M. Viallet 222 (1994) 571
- Durrant, J.R., J. Knoester and D.A. Wiersma, Local energetic disorder in molecular aggregates probed by the one-exciton to two-exciton transition 222 (1994) 450
- Dutt, R., see M. Bag 222 (1994) 46
- Eliav (Ilyabaev), E., U. Kaldor and Y. Ishikawa, Relativistic coupled cluster method based on Dirac-Coulomb-Breit wavefunctions. Ground state energies of atoms with two to five electrons 222 (1994) 82
- Engel, H., see M. Braune 222 (1994) 358
- Ernesti, A. and J.M. Hutson, On the rotational constants of floppy molecules 222 (1994) 257
- Eryomin, V.V., see S.I. Vetchinkin 222 (1994) 394
- Falicov, L.M., see A.J.R. Da Silva 222 (1994) 339
- Ferstl, A., see V. Zhukov 222 (1994) 481
- Flad, H.-J., A. Savin, M. Schultheiss, A. Nicklass and H. Preuss, A systematic study on the fixed-node and localization error in quantum Monte Carlo calculations with pseudopotentials for group III elements 222 (1994) 274
- Flieg, T. and C.M. Marian, Relativistic all-electron ab initio calculations on the platinum hydride molecule 222 (1994) 267
- Fliszar, S., see V. Barone 222 (1994) 597
- François, J.P., see J.M.L. Martin 222 (1994) 517
- Freund, H.-J., see K. Al-Shamery 222 (1994) 107
- Frydman, L. and J. Peng, Non-Cartesian sampling schemes and the acquisition of 2D NMR correlation spectra from single-scan experiments 222 (1994) 371
- Fukazawa, N., H. Fukumura and H. Masuhara, Picosecond diffuse reflectance laser photolysis study on 9,10-dichloroanthracene and 9,10-dibromoanthracene microcrystals 222 (1994) 123
- Fukumura, H., see N. Fukazawa 222 (1994) 123
- Gai, F., see Y. Chen 222 (1994) 329
- Galeotti, M., A. Atrei, U. Bardi, G. Rovida, M. Torrini, E. Zanazzi, A. Santucci and A. Klimov, Structure of the  $ZnO(000\bar{1})$  surface studied by X-ray photoelectron diffraction 222 (1994) 349
- Gao, Z.L., see H.Z. Wang 222 (1994) 204
- Geacintov, N.E., see V.Ya. Shafirovich 222 (1994) 185
- Gerber, P.R., see T.C. Beutler 222 (1994) 529
- Gerwens, H., see J. Korchowiec 222 (1994) 58
- Ghosh, A.S., see S.K. Adhikari 222 (1994) 302
- Gijbels, R., see J.M.L. Martin 222 (1994) 517
- Gomez Llorente, J.M., see J. Hernández-Rojas 222 (1994) 88
- González, M., see J. Hijazo 222 (1994) 15
- Gordon, R.J., see V. Kleiman 222 (1994) 161
- Goyal, S., see D.C. Scott 222 (1994) 471
- Greber, T., Chemical hole diving 222 (1994) 292
- Greer, J.C., S. Itoh and S. Ihara, Ab initio geometry and stability of a  $C_{120}$  torus 222 (1994) 621
- Grimley, T.B., Model calculations in dynamics at surfaces. Dissociative sticking on a cold solid 222 (1994) 551

- Guo, J., see X. Mao 222 (1994) 417
- Hanazaki, I., see H.L. Kim 222 (1994) 431
- Hashimoto, K., see H. Kannari 222 (1994) 313
- Havighorst, M., M. Prager and G. Coddens, Rotational tunnelling of ammonia on MgO (100) surfaces 222 (1994) 113
- He, Z., see D. Cremer 222 (1994) 40
- Hegazi, E., see J. Supronowicz 222 (1994) 149
- Heinzinger, K., see R.R. Nazmutdinov 222 (1994) 101
- Helgaker, T., see M. Jaszunski 222 (1994) 263
- Herbst, E., Tunneling in the  $C_2H-H_2$  reaction at low temperature 222 (1994) 297
- Hernández-Rojas, J., J. Bretón and J.M. Gomez Llorente, A semi-empirical analytical potential for diatomic molecules at spherical fullerenes 222 (1994) 88
- Hijazo, J., M. González, R. Sayós and J.J. Novoa, Ab initio study of the lowest  $^3A'$  and  $^3A''$  potential energy surfaces involved in the  $O(^3P) + CS(X^1\Sigma^+) \rightarrow CO(X^1\Sigma^+) + S(^3P)$  reaction 222 (1994) 15
- Hollenstein, H., M. Quack and E. Richard, Slit jet diode laser and FTIR spectroscopy of  $CF_3I$  and improved analysis of the symmetric  $CF_3$  stretching chromophore absorption 222 (1994) 176
- Hoshino, K., see A. Nakajima 222 (1994) 353
- Howard, B.J., see R.J. Low 222 (1994) 443
- Huang, Y., see V. Kleiman 222 (1994) 161
- Hutson, J.M., see A. Ernesti 222 (1994) 257
- Ihara, S., see J.C. Greer 222 (1994) 621
- Ikuta, S., see H. Kannari 222 (1994) 313
- Ishiguro, K., see M. Aikawa 222 (1994) 197
- Ishii, K., H. Nakayama, Y. Yagasaki, K. Ando and M. Kawahara, Ground state molecular pair formation in amorphous anthracene deposited onto a metal substrate at intermediate temperatures 222 (1994) 117
- Ishikawa, Y., see E. Eliav (Ilyabaev) 222 (1994) 82
- Itoh, S., see J.C. Greer 222 (1994) 621
- Iwata, S., see A. Nakajima 222 (1994) 353
- Jankowski, K., K. Kowalski and P. Jankowski, Applicability of single-reference coupled-cluster methods to excited states. A model study 222 (1994) 608
- Jankowski, P., see K. Jankowski 222 (1994) 608
- Jaszunski, M., P. Jørgensen, A. Rizzo, K. Ruud and T. Helgaker, MCSCF calculations of Verdet constants 222 (1994) 263
- Jennings, N.A., see S.P. Mort 222 (1994) 603
- Jiang, L.J., see H.Z. Wang 222 (1994) 204
- Jóhannesson, G.H., see Á. Kvaran 222 (1994) 436
- Jørgensen, P., see M. Jaszunski 222 (1994) 263
- Jug, K., see J. Korchowiec 222 (1994) 58
- Kaldor, U., see E. Eliav (Ilyabaev) 222 (1994) 82
- Kannari, H., K. Aoki, K. Hashimoto and S. Ikuta, Ab initio MO study on  $C_4O$ : structures and electron affinities 222 (1994) 313

- Kassner, Ch. and F. Stuhl, The VUV photodissociation  $\text{CH}_3 \rightarrow \text{CH}(\text{A } ^2\Delta \text{ and B } ^2\Sigma^-) + \text{H}_2$  222 (1994) 425
- Kawahara, M., see K. Ishii 222 (1994) 117
- Kawasaki, K., see J. Takahashi 222 (1994) 325
- Kaya, K., see A. Nakajima 222 (1994) 353
- Kedzierski, W., J.B. Atkinson and L. Krause, The  $^3\Sigma_u^+(4^3\text{P}, 4^3\text{P}) \leftrightarrow ^3\Sigma_u^+(4^3\text{P}, 4^1\text{S})$  vibronic spectrum of  $\text{Zn}_2$  222 (1994) 146
- Khmelniskii, I.V., see S.A. Nizkorodov 222 (1994) 135
- Kim, H.L., M. Takayanagi and I. Hanazaki, Photochemistry of  $\text{N}_2\text{O} \cdot \text{H}_2\text{O}$  complexes produced in supersonic jets 222 (1994) 431
- Kingsmill, C.A., see G.A. McGibbon 222 (1994) 129
- Kleiman, V., K. Trentelman, Y. Huang and R.J. Gordon, Dispersed fluorescence from  $\text{CO}(\text{B } ^1\Sigma^+)$  excitation in He and Ar 222 (1994) 161
- Klimov, A., see M. Galeotti 222 (1994) 349
- Knoester, J., see J.R. Durrant 222 (1994) 450
- Kochur, A.G., S.A. Novikov and V.L. Sukhorukov, Shake satellites in the  $\text{L}_{2,3}\text{VV}$  Auger spectrum of the HCl molecule 222 (1994) 411
- Komasa, J. and A.J. Thakkar, An improved potential energy curve for the  $\text{C } ^1\Pi_u$  state of  $\text{H}_2$  222 (1994) 65
- Konishi, Y., see A. Nakajima 222 (1994) 353
- Korchowiec, J., H. Gerwens and K. Jug, Relaxed Fukui function indices and their application to chemical reactivity problems 222 (1994) 58
- Kotschubei, S.A., see S.A. Nizkorodov 222 (1994) 135
- Kowalski, K., see K. Jankowski 222 (1994) 608
- Kozlowski, P.M. and E.R. Davidson, Test of a new multi-reference Møller-Plesset perturbation theory 222 (1994) 615
- Kraka, E., see S. Wierlacher 222 (1994) 319
- Krause, L., see W. Kedzierski 222 (1994) 146
- Krause, L., see J. Supronowicz 222 (1994) 149
- Krauss, M., Electronic structure and spectra of the peroxyxynitrite anion 222 (1994) 513
- Kudelski, A. and J. Bukowska, The CT enhancement in SERS on gold electrodes. How important is it? 222 (1994) 555
- Kumar, S.V.K., N. Sathyamurthy, S. Manogaran and S.K. Mitra, Possible reaction of atomic nitrogen with  $\text{SF}_x$  ( $x=1-5$ ) and  $\text{CF}_x$  ( $x=1-3$ ) fragments from  $\text{N}_2\text{-SF}_6$  and  $\text{N}_2\text{-CF}_4$  discharges 222 (1994) 465
- Kurikawa, T., see A. Nakajima 222 (1994) 353
- Kuzmin, V.A., see V.Ya. Shafirovich 222 (1994) 185
- Kuznetsov, V.L., A.L. Chuvilin, Y.V. Butenko, I.Yu. Mal'kov and V.M. Titov, Onion-like carbon from ultra-disperse diamond 222 (1994) 343
- Kvaran, Á., H. Wang, G.H. Jóhannesson and A.J. Yencha, REMPI spectra of  $\text{I}_2$ . The  $[\text{ } ^2\Pi_{3/2}]_c5d$ ;  $1g$  Rydberg state and interactions with ion pair states 222 (1994) 436
- Lapouyade, R., see J.-F. Létard 222 (1994) 209
- Lapouyade, R., see J.-M. Viallet 222 (1994) 571
- Latajka, Z., see J. Lundell 222 (1994) 33
- Lee, Y.R., W.B. Tzeng, Y.J. Yang, Y.Y. Lin and S.M. Lin, Photodissociation of  $\text{CBrCl}_3$  at 248 nm by translational spectroscopy 222 (1994) 141
- L'Espérance, D. and E.L. Chronister, Electronic energy transfer and trapping in quinizarin-doped aluminosilicate sol-gel glasses 222 (1994) 217



- Létard, J.-F., R. Lapouyade and W. Rettig, Relaxation pathways in photoexcited electron-rich stilbenes (D-D stilbenes) as compared to D-A stilbenes 222 (1994) 209
- Li, S., see D. Wang 222 (1994) 167
- Li, Y., see D. Wang 222 (1994) 167
- Liang, D.C., see H.Z. Wang 222 (1994) 204
- Lienau, Ch. and A.H. Zewail, Femtochemistry at high pressures. Solvent effect in the gas-to-liquid transition region 222 (1994) 224
- Lin, S.M., see Y.R. Lee 222 (1994) 141
- Lin, Y.Y., see Y.R. Lee 222 (1994) 141
- Low, R.J., C.J. Whitham, T.D. Varberg and B.J. Howard, The microwave spectrum of the open-shell complex  $\text{ArNO}_2$  222 (1994) 443
- Lundell, J., M. Räsänen and Z. Latajka, Theoretical study of the  $\text{H}_2\text{O}$ -2CO hydrogen-bonded ternary complexes 222 (1994) 33
- Makarov, V.I., see S.A. Nizkorodov 222 (1994) 135
- Mal'kov, I.Yu., see V.L. Kuznetsov 222 (1994) 343
- Manogaran, S., see S.V.K. Kumar 222 (1994) 465
- Manoharan, M., M.M. Balakrishnarajan, P. Venuvanalingam and K. Balasubramanian, Topological resonance energy predictions of the stability of fullerene clusters 222 (1994) 95
- Mansfeld, M. and W.S. Veeman,  $^1\text{H}$ - $^{129}\text{Xe}$  double resonance NMR in a polymer blend 222 (1994) 422
- Mao, X., J. Guo and C. Ye, Radiation damping effects on spin-lattice relaxation time measurements 222 (1994) 417
- Marian, C.M., see T. Fleig 222 (1994) 267
- Mark, A.E., see T.C. Beutler 222 (1994) 529
- Marquardt, C., see S. Wierlacher 222 (1994) 319
- Martin, J.M.L., P.R. Taylor, J.P. François and R. Gijbels, Ab initio study of the spectroscopy, kinetics, and thermochemistry of the  $\text{BN}_2$  molecule 222 (1994) 517
- Masuhara, H., see N. Fukazawa 222 (1994) 123
- McGibbon, G.A., C.A. Kingsmill and J.K. Terlouw, Experimental evidence for gaseous diaminocarbene  $\text{H}_2\text{N}-\text{C}-\text{NH}_2$  and its radical cation 222 (1994) 129
- Mitra, S.K., see S.V.K. Kumar 222 (1994) 465
- Moore, J.H., see D.C. Winkler 222 (1994) 1
- Moran, L.B. and J.P. Yesinowski, Chemical-shift-selective multiple-quantum NMR as a probe of the correlation length of chemical shielding tensors 222 (1994) 363
- Morita, A., A critical investigation of the generalized Langevin equation 222 (1994) 399
- Mort, S.P., N.A. Jennings and G.G. Balint-Kurti, A new low-lying potential energy surface for  $\text{SiH}_2^+$  222 (1994) 603
- Muiño, P.L. and P.R. Callis, Fluorescence excitation spectrum of indole- $\text{D}_2\text{O}$  in supersonic jet 222 (1994) 156
- Murray, J.S., see J.M. Seminario 222 (1994) 25
- Mutzenhardt, P., see D. Canet 222 (1994) 171
- Nafie, L.A., see G.-S. Yu 222 (1994) 403
- Nagasaka, B., S. Takeda and N. Nakamura, Residual dipolar splittings in  $^{13}\text{C}$  CP/MAS NMR spectra due to quadrupolar halogen nuclei in uracil halides 222 (1994) 486
- Nakajima, A., K. Hoshino, K. Watanabe, Y. Konishi, T. Kurikawa, S. Iwata and K. Kaya, Photoionization electronic spectroscopy of  $\text{AlNa}$  222 (1994) 353

- Nakamura, N., see B. Nagasaka 222 (1994) 486  
 Nakayama, H., see K. Ishii 222 (1994) 117  
 Nazmutdinov, R.R., M. Probst and K. Heinzinger, Quantum chemical models for electrified interfaces 222 (1994) 101  
 Nicklass, A., see H.-J. Flad 222 (1994) 274  
 Nizkorodov, S.A., V.I. Makarov, I.V. Khmelinskii, S.A. Kotschubei and K.A. Amosov, LIF detection of NO<sub>3</sub> radical after pulsed excitation of NO<sub>2</sub> vapor at 436.45 nm 222 (1994) 135  
 Novikov, S.A., see A.G. Kochur 222 (1994) 411  
 Novoa, J.J., see J. Hijazo 222 (1994) 15
- Owrutsky, J.C. and A.P. Baronavski, Lifetimes of the  $\tilde{B}$  state of CH<sub>3</sub>I and CD<sub>3</sub>I using femtosecond resonance enhanced multiphoton ionization 222 (1994) 335
- Panja, M.M., see M. Bag 222 (1994) 46  
 Pathak, R.K., see B. Sarkar 222 (1994) 540  
 Peng, J., see L. Frydman 222 (1994) 371  
 Petrich, J.W., see Y. Chen 222 (1994) 329  
 Pettersson, L.G.M., see H. Ågren 222 (1994) 75  
 Pilbrow, J.R., see Y.C. Zhong 222 (1994) 592  
 Poletti, L., R. Bini and V. Schettino, Vibrational relaxation of lattice phonons in CS<sub>2</sub> crystal 222 (1994) 239  
 Politzer, P., see J.M. Seminario 222 (1994) 25  
 Povill, Å., see J.M. Bofill 222 (1994) 51  
 Prager, M., see M. Havighorst 222 (1994) 113  
 Preuss, H., see H.-J. Flad 222 (1994) 274  
 Probst, M., see R.R. Nazmutdinov 222 (1994) 101
- Quack, M., see H. Hollenstein 222 (1994) 176
- Räsänen, M., see J. Lundell 222 (1994) 33  
 Ravikanth, M., D. Reddy and T.K. Chandrashekar, Non-planarity and its implications on triplet state characteristics of basket handle porphyrins 222 (1994) 563  
 Ray, H., see S.K. Adhikari 222 (1994) 302  
 Reddy, D., see M. Ravikanth 222 (1994) 563  
 Reisler, H., see D.C. Scott 222 (1994) 471  
 Rendulic, K.D., see V. Zhukov 222 (1994) 481  
 Rettig, W., see J.-F. Létard 222 (1994) 209  
 Richard, E., see H. Hollenstein 222 (1994) 176  
 Rizzo, A., see M. Jaszunski 222 (1994) 263  
 Roumestand, C., see D. Canet 222 (1994) 171  
 Rovida, G., see M. Galeotti 222 (1994) 349  
 Rubio, J., see J.M. Bofill 222 (1994) 51  
 Rullière, C., see J.-M. Viallet 222 (1994) 571  
 Russo, N., see V. Barone 222 (1994) 597  
 Ruud, K., see M. Jaszunski 222 (1994) 263
- Sander, W., see S. Wierlacher 222 (1994) 319  
 Santucci, A., see M. Galeotti 222 (1994) 349



- Sarkar, B., R.K. Pathak and K. Bhattacharyya, Accurate estimates of covalent lattice-sums via Chebyshev polynomials 222 (1994) 540
- Sathyamurthy, N., see S.V.K. Kumar 222 (1994) 465
- Savin, A., see H.-J. Flad 222 (1994) 274
- Sayós, R., see J. Hijazo 222 (1994) 15
- Schettino, V., see L. Poletti 222 (1994) 239
- Scholefield, M.R., see D.C. Scott 222 (1994) 471
- Schrader, A., see M. Braune 222 (1994) 358
- Schuddeboom, W., J.M. Warman, M. Van der Auweraer, F.C. de Schryver and D.D. Declercq, Dipolar exciton states of molecules with threefold symmetry 222 (1994) 586
- Schultheiss, M., see H.-J. Flad 222 (1994) 274
- Scott, D.C., F. Winterbottom, M.R. Scholefield, S. Goyal and H. Reisler, Kinetic energy effects on product state distributions in the  $C(^3P) + N_2O(\tilde{X}^1\Sigma^+)$  reaction. Energy partitioning between the  $NO(X^2\Pi)$  and  $CN(X^2\Sigma^+)$  products 222 (1994) 471
- Scuseria, G.E., see L.D. Book 222 (1994) 281
- Seminario, J.M., M.C. Concha, J.S. Murray and P. Politzer, Theoretical analyses of  $O_2/H_2O$  systems under normal and supercritical conditions 222 (1994) 25
- Seraphin, S., see D. Zhou 222 (1994) 233
- Serebrennikov, Yu.A. and U.E. Steiner, Stochastic modulation of non-Abelian gauge potential. Spin-rotational relaxation 222 (1994) 309
- Shafirovich, V.Ya., V.A. Kuzmin and N.E. Geacintov, Magnetic field effect on triplet formation as a probe of intersystem crossing mechanisms in benzo[a]pyrene diol epoxide derivative-guanosine complexes and covalent adducts 222 (1994) 185
- Sharp, N.D. and S.H. Walmsley, The method of homogeneous deformations of atomic and molecular crystals. General formulation and rotational invariances 222 (1994) 546
- Shiu, Y.J. and I.-C. Chen, Radiative lifetime of the  $HCO \tilde{B}^2A'$  state 222 (1994) 245
- Smart, O.S., A new method to calculate reaction paths for conformational transitions of large molecules 222 (1994) 503
- Smith, P.G., see T. Troxler 222 (1994) 250
- Sonnad, V., see H. Yu 222 (1994) 387
- Steiner, U.E., see Yu.A. Serebrennikov 222 (1994) 309
- Stolte, S., see J. Bulthuis 222 (1994) 378
- Stratton, J.R., see T. Troxler 222 (1994) 250
- Stuhl, F., see Ch. Kassner 222 (1994) 425
- Sukhorukov, V.L., see A.G. Kochur 222 (1994) 411
- Supronowicz, J., E. Hegazi, J.B. Atkinson and L. Krause, Fluorescence and excitation spectra of the  $D0^+$ ,  $E1$ , and  $G1$  states of the  $HgZn$  exciplex 222 (1994) 149
- Tada, T., see R. Yoshimura 222 (1994) 626
- Takahashi, J., J. Tsuchiya and K. Kawasaki, Dependence of non-photochemical hole-burning efficiency on the packing density of matrix polymers 222 (1994) 325
- Takayanagi, M., see H.L. Kim 222 (1994) 431
- Takeda, S., see B. Nagasaka 222 (1994) 486
- Taylor, P.R., see J.M.L. Martin 222 (1994) 517
- Terlouw, J.K., see G.A. McGibbon 222 (1994) 129
- Thakkar, A.J., see J. Komasa 222 (1994) 65
- Thomas, I., see T.-W.D. Chan 222 (1994) 579

- Titov, V.M., see V.L. Kuznetsov 222 (1994) 343  
 Topp, M.R., see T. Troxler 222 (1994) 250  
 Toro-Labbé, A., see G.I. Cárdenas-Jirón 222 (1994) 8  
 Torrini, M., see M. Galeotti 222 (1994) 349  
 Tossell, J.A., see D.C. Winkler 222 (1994) 1  
 Trentelman, K., see V. Kleiman 222 (1994) 161  
 Troxler, T., J.R. Stratton, P.G. Smith and M.R. Topp, Photoisomerization of molecular van der Waals aggregates. Structural assignments of isomeric forms of 1-chlorobutane/perylene via rotational coherence spectroscopy 222 (1994) 250  
 Tsuchiya, J., see J. Takahashi 222 (1994) 325  
 Turro, N.J., see M. Aikawa 222 (1994) 197  
 Tzeng, W.B., see Y.R. Lee 222 (1994) 141  
  
 Ueda, T. and Y. Akama, Spectroscopic proof for intermolecular or intramolecular hydrogen bonds in keto-enol tautomers of 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone 222 (1994) 559  
  
 Vahtras, O., see H. Ågren 222 (1994) 75  
 Van Amerom, F., see J. Bulthuis 222 (1994) 378  
 Van der Auweraer, M., see W. Schuddeboom 222 (1994) 586  
 Van Gunsteren, W.F., see T.C. Beutler 222 (1994) 529  
 Van Leuken, J., see J. Bulthuis 222 (1994) 378  
 Van Schaik, R.C., see T.C. Beutler 222 (1994) 529  
 Varberg, T.D., see R.J. Low 222 (1994) 443  
 Varshni, Y.P., see M. Bag 222 (1994) 46  
 Veeman, W.S., see M. Mansfeld 222 (1994) 422  
 Venuvanalingam, P., see M. Manoharan 222 (1994) 95  
 Vetchinkin, S.I. and V.V. Eryomin, The structure of wavepacket fractional revivals in a Morse-like anharmonic system 222 (1994) 394  
 Viallet, J.-M., F. Dupuy, R. Lapouyade and C. Rullière, Multiple luminescence from 'push-pull' diphenyl polyenes revealed by picosecond spectroscopy. Evidence for TICT and bicimer states 222 (1994) 571  
  
 Walmsley, S.H., see N.D. Sharp 222 (1994) 546  
 Wang, D., Y. Li, S. Li and H. Zhao, HeI photoelectron spectroscopy (UPS) of iodine atoms 222 (1994) 167  
 Wang, H., see Á. Kvaran 222 (1994) 436  
 Wang, H.Z., X.G. Zheng, F.L. Zhao, Z.L. Gao, Z.X. Yu, J.C. Zhu, L.J. Jiang, J.P. Zhang and D.C. Liang, Time-resolved excitation density dependent fluorescence of R-phycoerythrin single crystal 222 (1994) 204  
 Warman, J.M., see W. Schuddeboom 222 (1994) 586  
 Watanabe, K., see A. Nakajima 222 (1994) 353  
 Whitham, C.J., see R.J. Low 222 (1994) 443  
 Wierlacher, S., W. Sander, C. Marquardt, E. Kraka and D. Cremer, Propinal O-oxide 222 (1994) 319  
 Wiersma, D.A., see J.R. Durrant 222 (1994) 450  
 Wilson, S.H.S., M.N.R. Ashfold and R.N. Dixon, The dissociation dynamics of the methyl radical following excitation to the  $\tilde{B}^2A_1'$  state 222 (1994) 457  
 Winkler, A., see V. Zhukov 222 (1994) 481  
 Winkler, D.C., J.H. Moore and J.A. Tossell, Inner-shell electron excitation in the methylmethoxysilanes 222 (1994) 1

- Winterbottom, F., see D.C. Scott 222 (1994) 471
- Xu, C., see L.D. Book 222 (1994) 281
- Yagasaki, Y., see K. Ishii 222 (1994) 117
- Yang, Y.J., see Y.R. Lee 222 (1994) 141
- Ye, C., see X. Mao 222 (1994) 417
- Yencha, A.J., see Á. Kvaran 222 (1994) 436
- Yesinowski, J.P., see L.B. Moran 222 (1994) 363
- Yoshimura, R. and T. Tada, Ab initio MO studies on dissociative electron attachment of vinyl chloride. The simplest chlorine-containing hydrocarbon having a C=C  $\pi$  system 222 (1994) 626
- Yu, G.-S. and L.A. Nafie, Isolation of preresonance and out-of-phase dual circular polarization Raman optical activity 222 (1994) 403
- Yu, H., A.D. Bandrauk and V. Sonnad, Three-dimensional finite element method for electronic properties of small polyatomic molecules:  $H_2^+$ ,  $H_2$ ,  $H_3^+$  and  $H_3^+$  222 (1994) 387
- Yu, Z.X., see H.Z. Wang 222 (1994) 204
- Zacharias, H., see K. Al-Shamery 222 (1994) 107
- Zacharias, H., see R. Dopheide 222 (1994) 191
- Zanazzi, E., see M. Galeotti 222 (1994) 349
- Zewail, A.H., see Ch. Lienau 222 (1994) 224
- Zhang, J.P., see H.Z. Wang 222 (1994) 204
- Zhao, F.L., see H.Z. Wang 222 (1994) 204
- Zhao, H., see D. Wang 222 (1994) 167
- Zheng, X.G., see H.Z. Wang 222 (1994) 204
- Zhong, Y.C. and J.R. Pilbrow, Observation of spin-locked electron spin echo envelope modulation 222 (1994) 592
- Zhou, D. and S. Seraphin, Production of silicon carbide whiskers from carbon nanoclusters 222 (1994) 233
- Zhu, J.C., see H.Z. Wang 222 (1994) 204
- Zhukov, V., A. Ferstl, A. Winkler and K.D. Rendulic, Adsorption and desorption kinetics for hydrogen on modified aluminum (110) surfaces 222 (1994) 481
- Zou, P.F., Accurate solution to the time-independent Schrödinger equation using Stirling's interpolation formula 222 (1994) 287